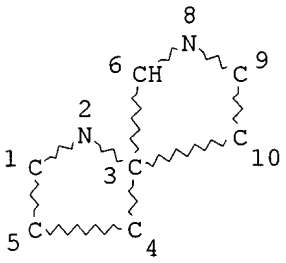
=> d l1
L1 HAS NO ANSWERS
L1 STR



NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC 10
NUMBER OF NODES IS 9

STEREO ATTRIBUTES: NONE

=> s l1
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SAMPLE SCREEN SEARCH COMPLETED - 103 TO ITERATE

100.0% PROCESSED 103 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 1452 TO 2668
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 ful
FULL SEARCH INITIATED 11:34:20 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 2254 TO ITERATE

100.0% PROCESSED 2254 ITERATIONS 23 ANSWERS
SEARCH TIME: 00.00.01

L3 23 SEA SSS FUL L1

=> fil caplus
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 148.95 149.58

FILE 'CAPLUS' ENTERED AT 11:34:23 ON 29 SEP 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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FILE COVERS 1907 - 29 Sep 2003 VOL 139 ISS 14
FILE LAST UPDATED: 28 Sep 2003 (20030928/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

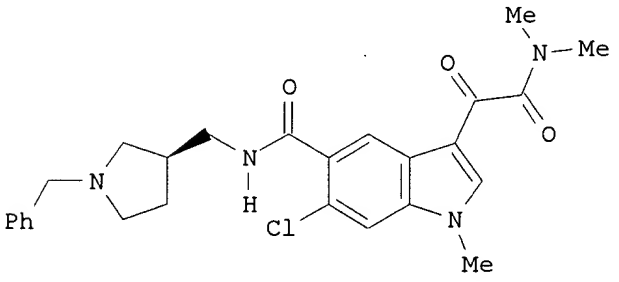
=> s l3
L4 9 L3

=> d l4 bib abs hitstr 1-9

L4 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2002:428896 CAPLUS
DN 137:6088
TI Preparation of indolecarboxamides as p38-.alpha. inhibitors
IN Dugar, Sundeep; Mavunkel, Babu J.; Luedtke, Gregory R.; Mcenroe, Glen
PA Scios Inc., USA
SO PCT Int. Appl., 64 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002044168	A2	20020606	WO 2001-US43439	20011120
	WO 2002044168	A3	20030522		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	AU 2002037657	A5	20020611	AU 2002-37657	20011120
	US 2003100588	A1	20030529	US 2001-989991	20011120
	EP 1339708	A2	20030903	EP 2001-986461	20011120
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
PRAI	US 2000-252163P	P	20001120		
	WO 2001-US43439	W	20011120		

OS MARPAT 137:6088
GI



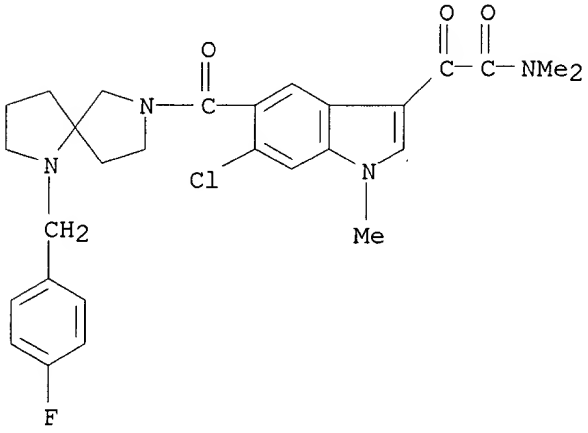
I

AB Title compds. were prepd. as p38-.alpha. inhibitors (no data). Thus, 6-chloro-1-methyl-1H-indole-5-carboxylic acid was amidated by (R)-3-aminomethyl-1-benzylpyrrolidine followed by acylation and amidation to give title compd. I.

IT **433286-59-0P**
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of indolecarboxamides as p38-.alpha. inhibitors)

RN 433286-59-0 CAPLUS

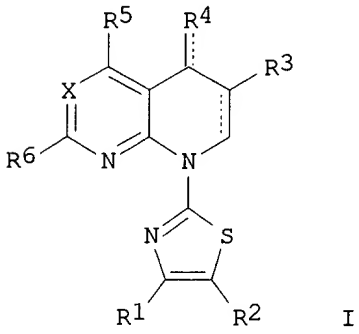
CN 1H-Indole-3-acetamide, 6-chloro-5-[[1-[(4-fluorophenyl)methyl]-1,7-diazaspiro[4.4]non-7-yl]carbonyl]-N,N,1-trimethyl-.alpha.-oxo- (9CI) (CA INDEX NAME)



L4 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1997:594555 CAPLUS
DN 127:288165
TI Antitumor compounds
IN Tomita, Kyoji; Chiba, Katsumi; Kashimoto, Shigeki; Nakada, Katsuhisa; Shibamori, Koichiro; Chikugi, Yasutomo; Tajima, Masanori; Oue, Tomio
PA Dainippon Pharmaceutical Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 74 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 09221424	A2	19970826	JP 1996-351948	19961210
PRAI	JP 1995-347310		19951213		

OS MARPAT 127:288165
GI



I

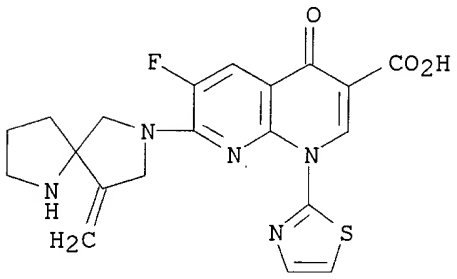
AB The title compds. (I; X = N or C-Rx, with Rx =H, halogen; R1, R2 = H, halogen; R3 = H, carboxyl; R4 = oxo, OH; R5 = H, amino; R6 = substituted cyclic amino groups) and their physiol. acceptable salts are claimed as antitumor drugs. Thus, I were prepd., and their antitumor activities were

tested in animal models.

IT **196821-77-9P**
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(antitumor compds.)

RN 196821-77-9 CAPLUS

CN 1,8-Naphthyridine-3-carboxylic acid, 6-fluoro-1,4-dihydro-7-(9-methylene-1,7-diazaspiro[4.4]non-7-yl)-4-oxo-1-(2-thiazolyl)- (9CI) (CA INDEX NAME)



L4 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2003 ACS on STN

AN 1997:166394 CAPLUS

DN 126:225438

TI 1,3-Dipolar cycloaddition approach to indolic aza analogs of cephalotaxine

AU Nyerges, Miklos; Rudas, Monika; Bitter, Istvan; Toke, Laszlo

CS Dep. Org. Chem. Technol., Tech. Univ. Budapest, Budapest, H-1521, Hung.

SO Tetrahedron (1997), 53(9), 3269-3280
CODEN: TETRAB; ISSN: 0040-4020

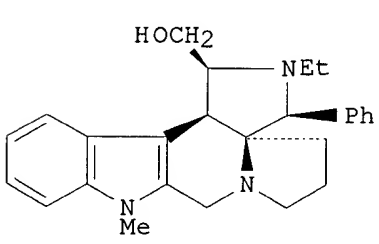
PB Elsevier

DT Journal

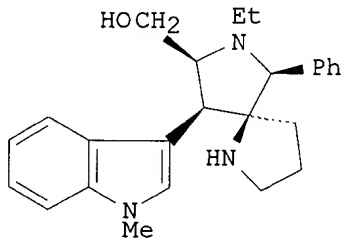
LA English

OS CASREACT 126:225438

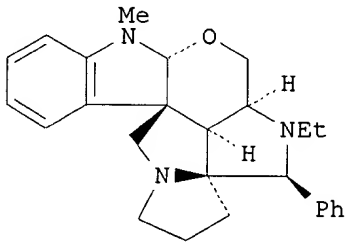
GI



I



II



III

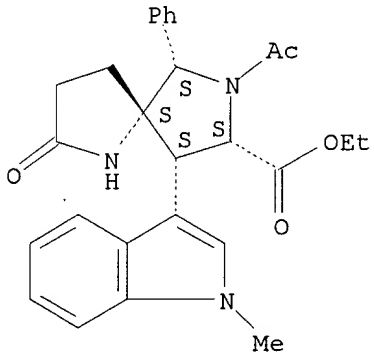
AB An indolic aza-analog I of cephalotaxine has been prepd. stereoselectively using 1,3-dipolar cycloaddn. of azomethine ylides as a key step. The

Pictet-Spengler reaction of the amine II resulted in the formation of an unusual heterocyclic product III. The structure and stereochem. of III was were studied in detail by NMR. methods.

IT **188348-62-1P 188348-63-2P 188348-65-4P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(1,3-dipolar cycloaddn. approach to indolic aza analogs of cephalotaxine)

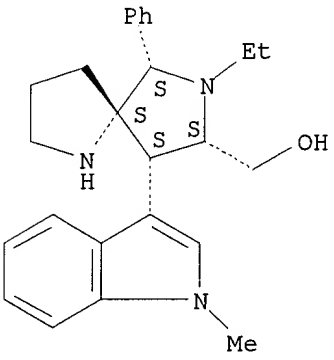
RN 188348-62-1 CAPLUS
CN 1,7-Diazaspiro[4.4]nonane-8-carboxylic acid, 7-acetyl-9-(1-methyl-1H-indol-3-yl)-2-oxo-6-phenyl-, ethyl ester, (5.alpha.,6.alpha.,8.alpha.,9.alpha.)-(9CI) (CA INDEX NAME)

Relative stereochemistry.



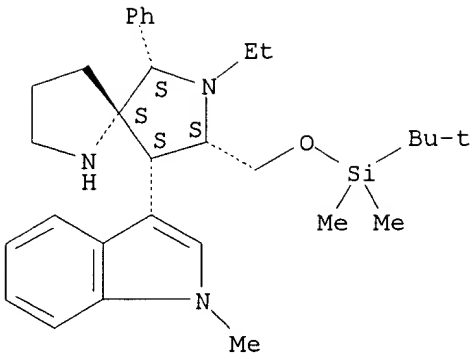
RN 188348-63-2 CAPLUS
CN 1,7-Diazaspiro[4.4]nonane-8-methanol, 7-ethyl-9-(1-methyl-1H-indol-3-yl)-6-phenyl-, (5.alpha.,6.alpha.,8.alpha.,9.alpha.)- (9CI) (CA INDEX NAME)

Relative stereochemistry.

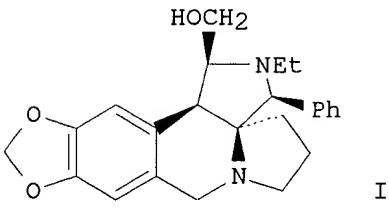


RN 188348-65-4 CAPLUS
CN 1,7-Diazaspiro[4.4]nonane, 8-[[[(1,1-dimethylethyl)dimethylsilyl]oxy]methyl]-7-ethyl-9-(1-methyl-1H-indol-3-yl)-6-phenyl-, (5.alpha.,6.alpha.,8.alpha.,9.alpha.)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



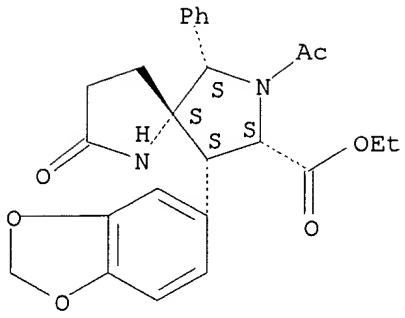
L4 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1995:881131 CAPLUS
DN 124:9069
TI 1,3-Dipolar cycloaddition approach towards the stereoselective preparation of aza-cephalotaxine skeleton
AU Nyerges, Miklos; Bitter, Istvan; Kadas, Istvan; Toth, Gabor; Toke, Laszlo
CS Res. Group Hungarian Acad. Sci., Dep. Org. Chem., Budapest, H-1521, Hung.
SO Tetrahedron (1995), 51(42), 11489-502
CODEN: TETRAB; ISSN: 0040-4020
PB Elsevier
DT Journal
LA English
OS CASREACT 124:9069
GI



I

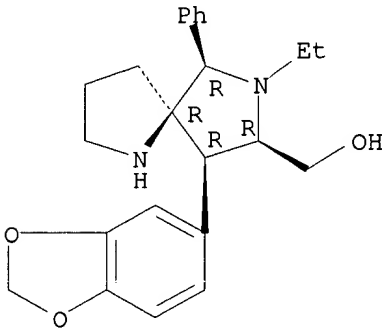
AB An aza-analog I of cephalotaxine was prepd. stereoselectively using 1,3-dipolar cycloaddn. of azomethine ylide as a key step.
IT **157035-39-7P 157035-40-0P 171020-26-1P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(dipolar cycloaddn. approach towards stereoselective prepn. of aza-cephalotaxine skeleton)
RN 157035-39-7 CAPLUS
CN 1,7-Diazaspiro[4.4]nonane-8-carboxylic acid, 7-acetyl-9-(1,3-benzodioxol-5-yl)-2-oxo-6-phenyl-, ethyl ester, (5.alpha.,6.alpha.,8.alpha.,9.alpha.)-(9CI) (CA INDEX NAME)

Relative stereochemistry.



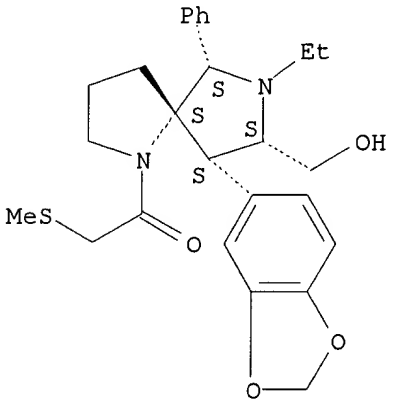
RN 157035-40-0 CAPLUS
CN 1,7-Diazaspiro[4.4]nonane-8-methanol, 9-(1,3-benzodioxol-5-yl)-7-ethyl-6-phenyl-, (5.alpha.,6.alpha.,8.alpha.,9.alpha.)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 171020-26-1 CAPLUS
CN 1,7-Diazaspiro[4.4]nonane-8-methanol, 9-(1,3-benzodioxol-5-yl)-7-ethyl-1-[(methylthio)acetyl]-6-phenyl-, (5.alpha.,6.alpha.,8.alpha.,9.alpha.)- (9CI) (CA INDEX NAME)

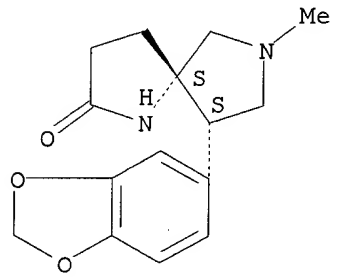
Relative stereochemistry.



IT **171020-18-1P 171020-23-8P 171020-25-0P**
171020-27-2P 171020-28-3P 171231-94-0P
RL: SPN (Synthetic preparation); PREP (Preparation)
(dipolar cycloaddn. approach towards stereoselective prepn. of aza-cephalotaxine skeleton)
RN 171020-18-1 CAPLUS

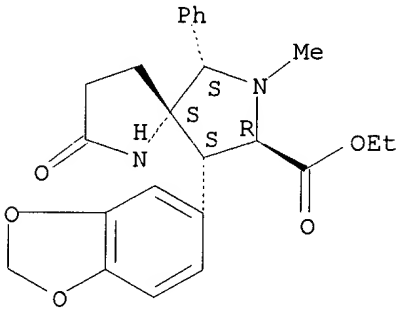
CN 1,7-Diazaspiro[4.4]nonan-2-one, 9-(1,3-benzodioxol-5-yl)-7-methyl-, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



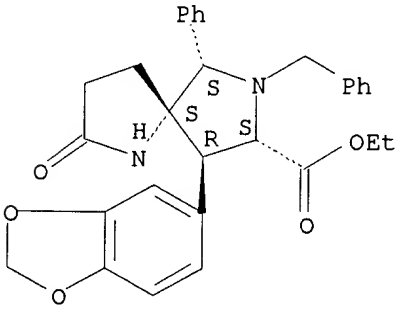
RN 171020-23-8 CAPLUS
CN 1,7-Diazaspiro[4.4]nonane-8-carboxylic acid, 9-(1,3-benzodioxol-5-yl)-7-methyl-2-oxo-6-phenyl-, ethyl ester, (5.alpha.,6.alpha.,8.beta.,9.alpha.)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



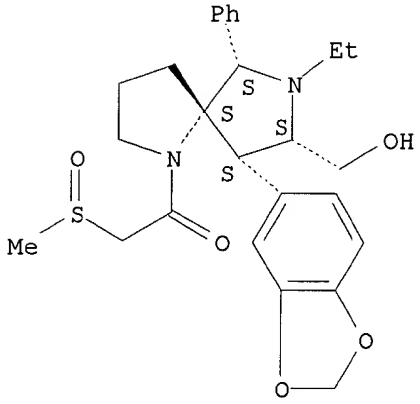
RN 171020-25-0 CAPLUS
CN 1,7-Diazaspiro[4.4]nonane-8-carboxylic acid, 9-(1,3-benzodioxol-5-yl)-2-oxo-6-phenyl-7-(phenylmethyl)-, ethyl ester, (5.alpha.,6.alpha.,8.alpha.,9.beta.)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



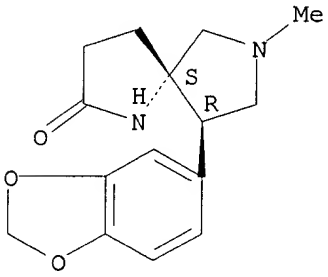
RN 171020-27-2 CAPLUS
CN 1,7-Diazaspiro[4.4]nonane-8-methanol, 9-(1,3-benzodioxol-5-yl)-7-ethyl-1-[(methylsulfinyl)acetyl]-6-phenyl-, (5.alpha.,6.alpha.,8.alpha.,9.alpha.)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



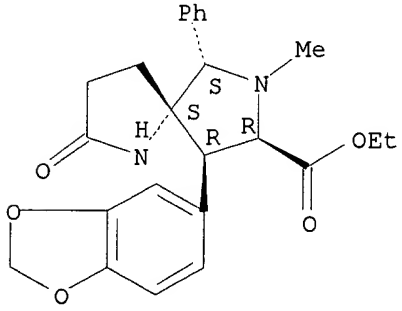
RN 171020-28-3 CAPLUS
CN 1,7-Diazaspiro[4.4]nonan-2-one, 9-(1,3-benzodioxol-5-yl)-7-methyl-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



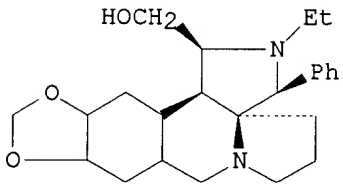
RN 171231-94-0 CAPLUS
CN 1,7-Diazaspiro[4.4]nonane-8-carboxylic acid, 9-(1,3-benzodioxol-5-yl)-7-methyl-2-oxo-6-phenyl-, ethyl ester, (5.alpha.,6.alpha.,8.beta.,9.beta.)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



L4 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1994:534528 CAPLUS
DN 121:134528
TI 1,3-Dipolar cycloaddition approach towards the stereoselective preparation of aza-cephalotaxine skeleton

AU Nyerges, Miklos; Bitter, Istvan; Kadas, Istvan; Toth, Gabor; Toke, Laszlo
CS Dep. Organic Chem. Technol., Techn. Univ. Budapest, Budapest, H-1521, Hung.
SO Tetrahedron Letters (1994), 35(25), 4413-14
CODEN: TELEAY; ISSN: 0040-4039
DT Journal
LA English
OS CASREACT 121:134528
GI



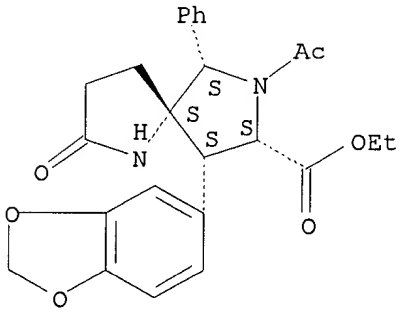
I

AB The aza-analog of a cephalotaxine skeleton I has been prepd. by series of reactions which include a 1,3-dipolar cycloaddn. in 100% diastereoselectivity.

IT **157035-39-7P 157035-40-0P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and reaction of, in prepn. of azacephalotaxine skeleton)

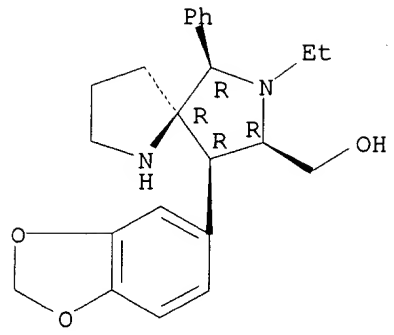
RN 157035-39-7 CAPLUS
CN 1,7-Diazaspiro[4.4]nonane-8-carboxylic acid, 7-acetyl-9-(1,3-benzodioxol-5-yl)-2-oxo-6-phenyl-, ethyl ester, (5.alpha.,6.alpha.,8.alpha.,9.alpha.)- (9CI) (CA INDEX NAME)

Relative stereochemistry.

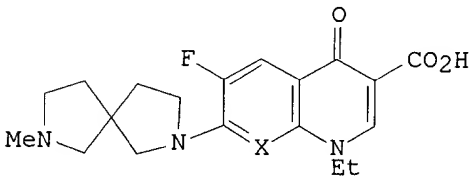


RN 157035-40-0 CAPLUS
CN 1,7-Diazaspiro[4.4]nonane-8-methanol, 9-(1,3-benzodioxol-5-yl)-7-ethyl-6-phenyl-, (5.alpha.,6.alpha.,8.alpha.,9.alpha.)- (9CI) (CA INDEX NAME)

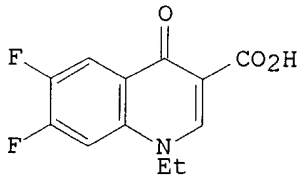
Relative stereochemistry.



L4 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1990:497432 CAPLUS
DN 113:97432
TI Quinolone antibacterial agents substituted at the 7-position with spiroamines. Synthesis and structure-activity relationships
AU Culbertson, Townley P.; Sanchez, Joseph P.; Gambino, Laura; Sesnie, Josephine A.
CS Parke-Davis Pharm. Res. Div., Warner-Lambert Co., Ann Arbor, MI, 48105, USA
SO Journal of Medicinal Chemistry (1990), 33(8), 2270-5
CODEN: JMCMAR; ISSN: 0022-2623
DT Journal
LA English
OS CASREACT 113:97432
GI

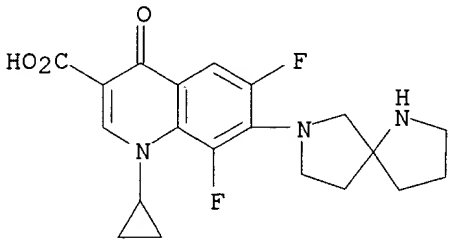


I

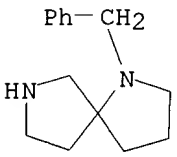


II

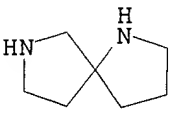
AB Fluoroquinolone antibacterials having the 7-position (10-position of pyridobenzoxazines) substituted with 2,7-diazaspiro[4.4]nonane, 1,7-diazaspiro[4.4]nonane, or 2,8-diazaspiro[5.5]undecane (e.g. I (X = CF, CH, N) were prepd. and their biol. activities were compared with piperazine and pyrrolidine substituted analogs. Most exhibited potent Gram-pos. and Gram-neg. activity, esp. when side chain was N-alkylated. Thus, the quinolinecarboxylic acid II was treated with 2-methyl-2,7-diazaspiro[4.4]nonane to give I (X = CH).
IT **128244-07-5P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(prepn. and bactericidal activity of)
RN 128244-07-5 CAPLUS
CN 3-Quinolinecarboxylic acid, 1-cyclopropyl-7-(1,7-diazaspiro[4.4]non-7-yl)-6,8-difluoro-1,4-dihydro-4-oxo- (9CI) (CA INDEX NAME)



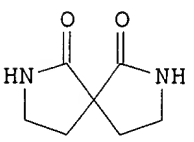
IT **128244-01-9P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and debenzylation of)
RN 128244-01-9 CAPLUS
CN 1,7-Diazaspiro[4.4]nonane, 1-(phenylmethyl)- (9CI) (CA INDEX NAME)



IT **34357-58-9P**, 1,7-Diazaspiro[4.4]nonane
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and reaction of, with fluorooxoquinolinecarboxylic acid derivs.)
RN 34357-58-9 CAPLUS
CN 1,7-Diazaspiro[4.4]nonane (9CI) (CA INDEX NAME)



L4 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1983:52962 CAPLUS
DN 98:52962
TI The mass spectra of some spirodilactams
AU Bujtas, Gyorgy; Tamas, Jozsef; Kajtar, Marton; Hollosi, Miklos; Majer, Zsuzsa
CS Cent. Res. Inst. Chem., Hung. Acad. Sci., Budapest, H-1525, Hung.
SO Organic Mass Spectrometry (1982), 17(8), 396-7
CODEN: ORMSBG; ISSN: 0030-493X
DT Journal
LA English
GI



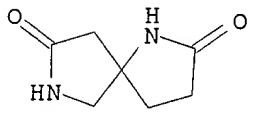
I

AB The mass spectra were recorded of 8 spirodilactams, e.g., I. NH-CO bond rupture was a favored process in the fragmentation of I and its isomers and homologs.

IT **84296-37-7**
RL: PRP (Properties)
(mass spectrum of)

RN 84296-37-7 CAPLUS

CN 1,7-Diazaspiro[4.4]nonane-2,8-dione (9CI) (CA INDEX NAME)



L4 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2003 ACS on STN

AN 1982:455669 CAPLUS

DN 97:55669

TI Spirobis[2-pyrrolidinones]. II. Synthesis and absolute configuration of 1,7-diazaspiro[4.4]nonane-2,6-dione

AU Majer, Zsuzsanna; Kajtar, Marton; Tichy, Milos; Blaha, Karel

CS Inst. Org. Chem., Eotvos Univ., Budapest, H-1088, Hung.

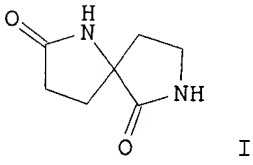
SO Collection of Czechoslovak Chemical Communications (1982), 47(3), 950-60
CODEN: CCCCAK; ISSN: 0366-547X

DT Journal

LA English

OS CASREACT 97:55669

GI



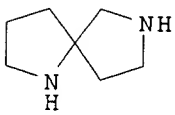
I

AB Racemic I, (R)-(+)-I, and (S)-(-)-I were prepd. from di-Et 2-carboxy-5-oxo-2-pyrrolidinepropionate which was sapond. and the acid resolved before carrying out the rest of the steps.

IT **82386-80-9P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and nitrosation of)

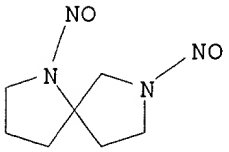
RN 82386-80-9 CAPLUS

CN 1,7-Diazaspiro[4.4]nonane, dihydrochloride (9CI) (CA INDEX NAME)



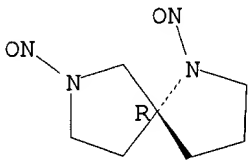
2 HCl

IT **82386-81-0P 82399-97-1P 82399-98-2P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 82386-81-0 CAPLUS
CN 1,7-Diazaspiro[4.4]nonane, 1,7-dinitroso- (9CI) (CA INDEX NAME)



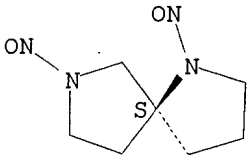
RN 82399-97-1 CAPLUS
CN 1,7-Diazaspiro[4.4]nonane, 1,7-dinitroso-, (R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



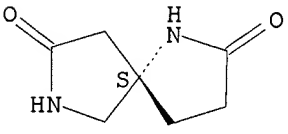
RN 82399-98-2 CAPLUS
CN 1,7-Diazaspiro[4.4]nonane, 1,7-dinitroso-, (S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



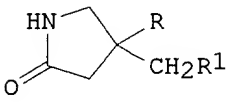
IT **82379-27-9**
RL: RCT (Reactant); RACT (Reactant or reagent)
(redn. of)
RN 82379-27-9 CAPLUS
CN 1,7-Diazaspiro[4.4]nonane-2,8-dione, (S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1982:455668 CAPLUS
DN 97:55668
TI Spirobis[2-pyrrolidinones]. I. Synthesis and absolute configuration of three isomeric spirobis[2-pyrrolidinones]
AU Kajtar, Marton; Hollosi, Miklos; Kinsky, Klaus; Majer, Zsuzsanna

CS Inst. Org. Chem., Eotvos Univ., Budapest, H-1088, Hung.
SO Collection of Czechoslovak Chemical Communications (1982), 47(3), 936-49
CODEN: CCCCAK; ISSN: 0366-547X
DT Journal
LA English
OS CASREACT 97:55668
GI



I

AB The spirobis[pyrrolidinones] (+)-(R)-I (RR1 = CH2NHCO, CONHCH2) and (-)-(S)-I (RR1 = NHCOCH2) were prepd. from I (R = R1 = CO2H) via I (R = CO2H, R1 = CO2Et; R = CO2Et, R1 = CO2H) which were resolved and the pair enantiomers used for the rest of the steps.
IT **82379-27-9P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 82379-27-9 CAPLUS
CN 1,7-Diazaspiro[4.4]nonane-2,8-dione, (S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.